

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1           1. (currently amended) A unit-type roller drive  
2         device of a size ~~as approximately high as to fit within~~  
3         ~~a chair back rest portion of a chair with protruding~~  
4         ~~massaging ball rollers for engaging the back of the a~~  
5         ~~human user's body for motor-driven roller massage~~  
6         ~~actions, said chair back being separate from an~~  
7         ~~associated chair seat,~~ comprising:

8           a frame ~~composed of having left and right sides~~  
9         ~~extending longitudinally between upper and lower ends~~  
10        ~~and a frame thickness,~~ a base portion, left and right  
11       edge portions standing upright from the left and right  
12       sides of the base portion ~~to bound a space~~  
13       corresponding with said frame thickness between said  
14       upper and lower ends;

15        a longitudinal guide slit provided in each of the  
16       left and right edge portions;

17        ~~a shaft upper and lower shafts each having a gear~~  
18        ~~and mounted to each of respectively mounted to the~~  
19       upper and lower ends of the frame;

20        ~~a roller chain left and right roller chains~~  
21        ~~respectively mounted on each side of said frame in a~~

ring shape round around the upper and lower shafts in  
and meshing with said gears; and  
a shaft bushing mounted to each roller chain and  
~~fixed to the~~ carrying said massaging ball rollers, the  
left and right ends of said shaft bushings being  
including guide rollers mounted in ~~an inserted state in~~  
said guide slits for guided movement along the slits;  
a drive motor mounted to said frame operably  
connected to said gears to move said roller chains and  
massaging ball rollers between said upper and lower  
ends of said frame;  
wherein the roller chains are moved vertically by  
rotation of the shafts with a drive motor, and in  
cooperation with the vertical movement of the roller  
chains, are guided in accordance with the guide slits  
for vertical movement said guide slits and said roller  
chains are substantially aligned within the thickness  
of said frame when viewed in longitudinal section, and  
said gears, roller chains and drive motor are contained  
within said space corresponding with said frame  
thickness to provide a compact device that may be  
incorporated in a chair back with said massaging ball  
rollers extending beyond said space corresponding with  
said frame thickness to engage said user's back.

1                   2. (currently amended) A unit-type roller device  
2                   for motor-driven roller massage actions according to  
3                   claim 1, wherein each shaft bushing has a plate-shaped  
4                   base portion fixed to ~~the opposite ends of each~~ an  
5                   associated roller chain and a rising piece standing  
6                   upright from the surface of the base portion, ~~and is~~  
7                   structured ~~that~~ a pivotal massaging ball roller mount  
8                   piece is mounted to the rising piece for pivotal  
9                   movement about a horizontal axis, the massaging the  
10                  ball rollers are mounted to the massaging ball roller  
11                  mount piece, pins ~~are provided to be projecting~~ project  
12                  from ~~the back of~~ said base portion outwardly, and the  
13                  guide rollers are mounted to said pins ~~to insert the~~  
14                  guide roller portions into the and received within  
15                  guide slits to support and guide said shaft bushings.

1                   3. (currently amended) A unit-type roller drive  
2                   device for motor-driven roller massage actions  
3                   according to claim 2, wherein the rising piece has a  
4                   triangular shape, ~~and in~~ the massaging ball roller  
5                   mount piece has a shaped like a letter V ~~and is~~  
6                   structured ~~that the~~ V-shape formed with side pieces  
7                   that incline in opposite directions and terminate at  
8                   top ends, said massaging ball rollers are mounted to  
9                   the respective top ends of ~~two-directional~~ the side

1 pieces of said massaging ball roller mount piece, and a  
2 stopper ~~is provided to be projecting~~ projects from the  
3 surface of each of said two side pieces.

1 4. (currently amended) A unit-type roller drive  
2 device for motor-driven roller massage actions  
3 according to claim 1, wherein sensors to vary the  
4 turning direction of the drive motor ~~is~~ are provided on  
5 one side edge portion of the frame in the vicinity of  
6 the upper and lower shafts.

1 5. (previously presented) A motor-driven roller  
2 massage instrument, comprising:  
3 a bucket-shaped base body having a concave portion  
4 provided in the center of the base body for  
5 installation of the roller drive device and left and  
6 right flexible blade piece portions formed on the left  
7 and right sides of said concave portion; and  
8 belts mounted to the left and right blade piece  
9 portions to fasten the user body and also to fasten the  
10 other appliance;  
11 wherein the roller drive device according to claim  
12 1, is installed in said concave portion for  
13 installation of the roller drive device.

14           6. (previously presented) A motor-driven roller  
15        massage instrument, comprising:  
16           an outside frame surrounding a bucket-shaped  
17        portion on all sides; and  
18           upper and lower lateral rods mounted across the  
19        left and right frame portions of the outside frame and  
20        respectively having concave portions;  
21           wherein the roller drive device according to claim  
22        1, is installed in said concave portions.

1           7. (previously presented) A legless chair mounted  
2        with a motor-driven roller massage instrument,  
3        comprising:  
4           a back portion rotatably mounted to a seat portion  
5        and having an outside frame surrounding the back  
6        portion on its upper, left and right sides;  
7           upper and lower lateral rods mounted across the  
8        left and right sides of the outside frame and  
9        respectively having concave portions;  
10          wherein the roller drive device according to claim  
11        1, is installed in said concave portions.

1           8. (currently amended) A unit-type roller drive  
2        device for motor-driven roller massage actions  
3        according to claim 2, wherein sensors to vary the

4 turning direction of the drive motor ~~is~~ are provided on  
5 one side edge portion of the frame in the vicinity of  
6 the upper and lower shafts.

1 9. (currently amended) A unit-type roller drive  
2 device for motor-driven roller massage actions  
3 according to claim 3, wherein sensors to vary the  
4 turning direction of the drive motor ~~is~~ are provided on  
5 one side edge portion of the frame in the vicinity of  
6 the upper and lower shafts.

1 10. (previously presented) A motor-driven roller  
2 massage instrument, comprising:  
3 a bucket-shaped base body having a concave portion  
4 provided in the center of the base body for  
5 installation of the roller drive device and left and  
6 right flexible blade piece portions formed on the left  
7 and right sides of said concave portion; and  
8 belts mounted to the left and right blade piece  
9 portions to fasten the user body and also to fasten the  
10 other appliance;  
11 wherein the roller drive device according to claim  
12 2, is installed in said concave portion for  
13 installation of the roller drive device.

1           11. (previously presented) A motor-driven roller  
2        massage instrument, comprising:

3           a bucket-shaped base body having a concave portion  
4        provided in the center of the base body for  
5        installation of the roller drive device and left and  
6        right flexible blade piece portions formed on the left  
7        and right sides of said concave portion; and  
8           belts mounted to the left and right blade piece  
9        portions to fasten the user body and also to fasten the  
10      other appliance;

11          wherein the roller drive device according to claim  
12        3, is installed in said concave portion for  
13        installation of the roller drive device.

1           12. (previously presented) A motor-driven roller  
2        massage instrument, comprising:  
3           a bucket-shaped base body having a concave portion  
4        provided in the center of the base body for  
5        installation of the roller drive device and left and  
6        right flexible blade piece portions formed on the left  
7        and right sides of said concave portion; and  
8           belts mounted to the left and right blade piece  
9        portions to fasten the user body and also to fasten the  
10      other appliance;

11       wherein the roller drive device according to claim  
12   4, is installed in said concave portion for  
13 installation of the roller drive device.

1       13. (previously presented) A motor-driven roller  
2 massage instrument, comprising:  
3       an outside frame surrounding a bucket-shaped  
4 portion on all sides; and  
5       upper and lower lateral rods mounted across the  
6 left and right frame portions of the outside frame and  
7 respectively having concave portions;  
8       wherein the roller drive device according to claim  
9 2, is installed in said concave portions.

1       14. (previously presented) A motor-driven roller  
2 massage instrument, comprising:  
3       an outside frame surrounding a bucket-shaped  
4 portion on all sides; and  
5       upper and lower lateral rods mounted across the  
6 left and right frame portions of the outside frame and  
7 respectively having concave portions;  
8       wherein the roller drive device according to claim  
9 3, is installed in said concave portions.

1        15. (previously presented) A motor-driven roller  
2        massage instrument, comprising:

3              an outside frame surrounding a bucket-shaped  
4        portion on all sides; and  
5              upper and lower lateral rods mounted across the  
6        left and right frame portions of the outside frame and  
7        respectively having concave portions;

8              wherein the roller drive device according to claim  
9        4, is installed in said concave portions.

1        16. (previously presented) A legless chair  
2        mounted with a motor-driven roller massage instrument,  
3        comprising:

4              a back portion rotatably mounted to a seat portion  
5        and having an outside frame surrounding the back  
6        portion on its upper, left and right sides;  
7              upper and lower lateral rods mounted across the  
8        left and right sides of the outside frame and  
9        respectively having concave portions;

10          wherein the roller drive device according to claim  
11        2, is installed in said concave portions.

1        17. (previously presented) A legless chair  
2        mounted with a motor-driven roller massage instrument,  
3        comprising:

4           a back portion rotatably mounted to a seat portion  
5        and having an outside frame surrounding the back  
6        portion on its upper, left and right sides;  
7           upper and lower lateral rods mounted across the  
8        left and right sides of the outside frame and  
9        respectively having concave portions;  
10          wherein the roller drive device according to claim  
11        3, is installed in said concave portions.

1           18. (previously presented) A legless chair  
2        mounted with a motor-driven roller massage instrument,  
3        comprising:  
4           a back portion rotatably mounted to a seat portion  
5        and having an outside frame surrounding the back  
6        portion on its upper, left and right sides;  
7           upper and lower lateral rods mounted across the  
8        left and right sides of the outside frame and  
9        respectively having concave portions;  
10          wherein the roller drive device according to claim  
11        4, is installed in said concave portions.